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PTO/SB/29 (12/97)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No.

10424-003

Total Pages

114

First Named Inventor or Application Identifier

Rolf Menzel

Express Mail Label No.

EL 501 639 535 US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 202311. ☒ Fee Transmittal Form [Total Pages 2]  
Submit an original, and a duplicate for fee processing2. ☒ Specification, [Total Pages 70]  
Including a 2 page Table of Contents; 6 pages of claims and  
1 page abstract  
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description of the Invention (including drawings, if filed)
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) (35 USC 113) [Total Sheets 26]4. ☒ Oath or Declaration (unexecuted) [Total Sheets 2]a. ☐ Newly executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]i. ☐ DELETION OF INVENTORS(S)Signed statement attached deleting inventor(s) named in the prior  
application, see 37 CFR 1.63(d)(2) and 1.33 (b).5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath  
or declaration is supplied under Box 4b, is considered as being part of the  
disclosure of the accompanying application and is hereby incorporated by  
reference therein.6. ☐ Microfiche Computer Program (Appendix)7. ☒ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)a. ☒ Computer Readable Copyb. ☒ Paper Copy (identical to computer copy) (12 Pages)c. ☒ Statement verifying identity of above copies ( 1 Page)**ACCOMPANYING APPLICATION PARTS**8. ☐ Assignment Papers (cover sheet & document(s))9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)10. ☐ English Translation Document (if applicable)11. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations12. ☐ Preliminary Amendment13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)14. ☐ Applicant claims Small Entity status, see 37 C.F.R. § 1.2715. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)16. ☐ Other:17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: filed .**18. CORRESPONDENCE ADDRESS**

Customer Number: 20583



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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**PENNIE & EDMONDS** LLP  
 COUNSELLORS AT LAW  
 1155 Avenue of the Americas  
 New York, N.Y. 10036-2711  
 (212) 790-9090

ATTORNEY DOCKET NO. 10424-003Date: July 31, 2001

Assistant Commissioner for Patents  
 Box PATENT APPLICATION  
 Washington, D.C. 20231

Sir:

The following utility patent application is enclosed for filing:

Applicant(s): Rolf Menzel

Executed on: Unexecuted

Title of Invention: METHODS AND COMPOSITIONS FOR DIRECTED GENE ASSEMBLY

**PATENT APPLICATION FEE VALUE**

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	52	-20	32	\$18.00 each	\$ 576.00
Independent	5	-3	2	\$80.00 each	\$ 160.00
Minimum Fee					\$ 710.00
Multiple Dependency Fee If Applicable (\$270.00)					\$ 270.00
<b>Total</b>					\$ 1,716.00
50% Reduction for Independent Inventor, Nonprofit Organization or Small Business Concern (a verified statement as to the applicant's status is attached)					- \$ 0.00
<b>Total Filing Fee</b>					\$ 1,716.00

- ☐ **DO NOT PUBLISH.** I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).
- ☒ Priority of application no. 60//222,139 filed on July 31, 2000 in METHODS AND COMPOSITIONS FOR DIRECTED GENE ASSEMBLY is claimed under 35 U.S.C. § 119(e).
- ☐ The certified copy of the priority application has been filed in application no. filed
- ☐ Amend the specification by inserting before the first line the following sentence: This is a continuation-in-part of application no. filed.

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150. A copy of this sheet is enclosed.

Respectfully submitted,

Laura A. Coruzzi 30,742  
 Laura A. Coruzzi (Reg. No.)  
 PENNIE & EDMONDS LLP

Enclosure

This form is not for use with continuation, divisional, re-issue, design or plant patent applications. *Copy of certificate attached*

Express Mail No.: EI 501 639 535 US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Rolf Menzel

Application No.: To be Assigned

Art Unit: Not Yet Assigned

Filed: On Even Date Herewith

Examiner: Not Yet Assigned

For: METHODS AND COMPOSITIONS FOR  
DIRECTED GENE ASSEMBLY

Atty Docket No.: 10424-003

**TRANSMITTAL OF SEQUENCE LISTING**

Assistant Commissioner for Patents  
Washington, DC 20231  
S I R :

In connection with the above-identified application, and in accordance with 37 C.F.R. § 1.821, Applicant submits herewith a Sequence Listing in paper and computer-readable format pursuant to 37 C.F.R. § 1.821(c) and (e).

I hereby state that the content of the paper and computer-readable copies of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are the same. I hereby state that the submission herein under 37 C.F.R. § 1.821(g) does not include new matter.

Respectfully submitted,

Date

July 31, 2001

Laura A. Coruzzi 30,742  
Laura A. Coruzzi by (Reg. No.)  
PENNIE & EDMONDS LLP Muna Abu Shaan  
1155 Avenue of the Americas (Ltd. Recognition;  
New York, New York 10036-2711 Copy of  
(212) 790-9090 Certificate  
attached)

Enclosures

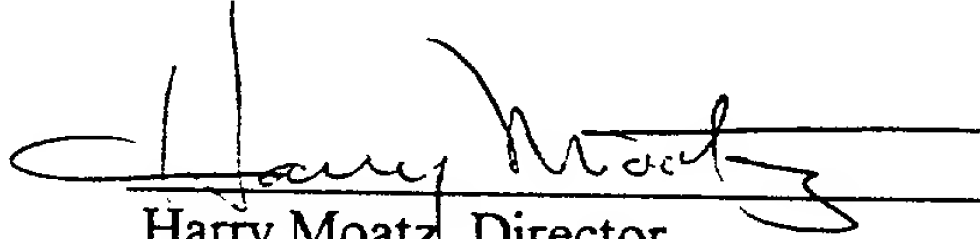
**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATE PATENT AND TRADEMARK OFFICE**

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

Ms. Muna Abu-Sha'ar is hereby given limited recognition under 37 CFR §10.9(b) as an employee of Pennie & Edmonds, LLP to prepare and prosecute patent applications wherein the patent applicant is the client of Pennie & Edmonds, LLP, and the attorney or agent of record in the applications is a registered practitioner who is a member of Pennie & Edmonds, LLP. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) Ms. Muna Abu-Sha'ar ceases to lawfully reside in the United States, (ii) Ms. Muna Abu-Sha'ar's employment with Pennie & Edmonds, LLP ceases or is terminated, or (iii) Ms. Muna Abu-Sha'ar ceases to remain or reside in the United States on an H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

**Expires: November 29, 2001**

  
Harry Moatz, Director  
Office of Enrollment and Discipline

0990318-07304